

# SYSTEM AND METHOD FOR GENERATING VIDEO FRAMES AND POST FILTERING

## Abstract of the Disclosure

5           System and method for generating video frames. The system includes a frame  
generator which generates one or more intermediate frames based upon one base  
frames. Each of the base frames are comprised of a plurality of macroblocks.  
Furthermore, one or more of the macroblocks have a motion vector. The macroblocks  
are comprised of a plurality of pixels. In the frame generation process, the frame  
10 generator performs a number of steps such as: (i) determines whether frame generation  
is appropriate, (ii) examines the first and second base frames to check for the presence  
of textual characters, (iii) selects a frame generation method based upon information in  
the first and second frames, (iv) filters the generated frames. In one embodiment, the  
system includes a server computer having an encoder, a client computer having a  
15 decoder, and a network connecting the server computer to the client computer. In this  
embodiment, the frame generator resides and executes within the client computer and  
receives the base frames from the decoder.

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